

Notice of Allowability

Application No.

09/771,684

Applicant(s)

COOK ET AL.

Examiner

Art Unit

Beemnet W Dada

2135

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to RCE filed on 1/28/05.
2. ☒ The allowed claim(s) is/are 1-29.
3. ☒ The drawings filed on 26 April 2001 are accepted by the Examiner.
4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☐ All b) ☐ Some* c) ☐ None of the:
 1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
 6. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- | | |
|---|---|
| 1. <input type="checkbox"/> Notice of References Cited (PTO-892) | 5. <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 6. <input checked="" type="checkbox"/> Interview Summary (PTO-413),
Paper No./Mail Date _____. |
| 3. <input type="checkbox"/> Information Disclosure Statements (PTO-1449 or PTO/SB/08),
Paper No./Mail Date _____ | 7. <input checked="" type="checkbox"/> Examiner's Amendment/Comment |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit
of Biological Material | 8. <input type="checkbox"/> Examiner's Statement of Reasons for Allowance |
| | 9. <input type="checkbox"/> Other _____. |

Handwritten signature
Hosuk SONG
AU 2135

DETAILED ACTION

EXAMINER'S AMENDMENT

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Kevin J Zilka, Reg. No. 41,429 on March 17, 2005.

The application has been amended as follows:

In the Claims:

1. (Currently Amended) A system for detecting changes to conditions of electronic certificates, comprising:

a first computer system monitoring said electronic certificates to detect changes to conditions of said electronic certificates; and

a second computer system coupled to said first computer system, said second computer system being notified by said first computer system of changes in conditions of said electronic certificate;

wherein a plurality of computer systems is logically divided into a plurality of sections including a primary tier, a secondary tier, a tertiary tier, and a fourth tier;

wherein said computer systems in said primary tier are adapted for monitoring changes to conditions of said electronic certificates and notifying said computer systems in said secondary tier of said changes to conditions of said electronic certificates;

wherein said computer systems in said primary tier are adapted for contracting with said computer systems in said secondary tier for determining a type of said changes to conditions of said electronic certificates said computer systems in said secondary tier are notified of by said computer systems in said primary tier;

wherein said computer systems in said secondary tier are adapted for notifying said computer systems in said tertiary tier of said changes to conditions of said electronic certificates;

wherein said computer systems in said secondary tier are adapted for contracting with said computer systems in said tertiary tier for determining a type of said changes to conditions of said electronic certificates said computer systems in said tertiary tier are notified of by said computer systems in said secondary tier;

wherein said computer systems in said tertiary tier are adapted for monitoring changes to conditions of said electronic certificates and notifying said computer systems in said fourth tier of said changes to conditions of said electronic certificates;

wherein said computer systems in said tertiary tier are adapted for contracting with said computer systems in said fourth tier for determining a type of said changes to conditions of said electronic certificates said computer systems in said fourth tier are notified of by said computer systems in said tertiary tier;

wherein said computer systems in said secondary tier are notified of said type of said changes to conditions of said electronic certificates associated with contracts between said computer systems in said primary tier and said computer systems in said secondary tier; said computer systems in said tertiary tier are notified of said type of said changes to conditions of said electronic certificates associated with said contracts between said computer systems in said primary tier and said computer systems in said secondary tier, and contracts between said

computer systems in said secondary tier and said computer systems in said tertiary tier: and said computer systems in said fourth tier are notified of said type of said changes to conditions of said electronic certificates associated with said contracts between said computer systems in said primary tier and said computer systems in said secondary tier, said contracts between said computer systems in said secondary tier and said computer systems in said tertiary tier, and contracts between said computer systems in said tertiary tier and said computer systems in said fourth tier;

wherein said computer systems in said primary, secondary, tertiary and fourth tiers are logically organized as a tree.

17. (Currently Amended) An electronic certificates system, comprising:

logic for monitoring one or more electronic certificates to detect a change to conditions of said electronic certificates; and

logic for providing notification of said change to conditions of said electronic certificates;

wherein a plurality of computer systems is logically divided into a plurality of sections including a primary tier, a secondary tier, a tertiary tier, and a fourth tier;

wherein said computer systems in said primary tier are adapted for monitoring changes to conditions of said electronic certificates and notifying said computer systems in said secondary tier of said changes to conditions of said electronic certificates;

wherein said computer systems in said primary tier are adapted for contracting with said computer systems in said secondary tier for determining a type of said changes to conditions of said electronic certificates said computer systems in said secondary tier are notified of by said computer systems in said primary tier;

wherein said computer systems in said secondary tier are adapted for a monitoring changes to conditions of said electronic certificates and notifying said computer systems in said tertiary tier of said changes to conditions of said electronic certificates;

wherein said computer systems in said secondary tier are adapted for contracting with said computer systems in said tertiary tier for determining a type of said changes to conditions of said electronic certificates said computer systems in said tertiary tier are notified of by said computer systems in said secondary tier;

wherein said computer systems in said tertiary tier are adapted for monitoring changes to conditions of said electronic certificates and notifying said computer systems in said fourth tier of said changes to conditions of said electronic certificates;

wherein said computer systems in said tertiary tier are adapted for contracting with said computer systems in said fourth tier for determining a type of said changes to conditions of said electronic certificates said computer systems in said fourth tier are notified of by said computer systems in said tertiary tier;

wherein said computer systems in said secondary tier are notified of said type of said changes to conditions of said electronic certificates associated with contracts between said computer systems in said primary tier and said computer systems in said secondary tier, said computer systems in said tertiary tier are notified of said type of said changes to conditions of said electronic certificates associated with said contracts between said computer systems in said primary tier and said computer systems in said secondary tier, and contracts between said computer systems in said secondary tier and said computer systems in said tertiary tier; and said computer systems in said fourth tier are notified of said type of said changes to conditions of said electronic certificates associated with said contracts between said computer systems in said primary tier and said computer systems in said secondary tier, said contracts between said

computer systems in said secondary tier and said computer systems in said tertiary tier, and contracts between said computer systems in said tertiary tier and said computer systems in said fourth tier;

wherein said computer systems in said primary, secondary, tertiary and fourth tiers are logically organized as a ring.

18. (Currently Amended) A method, comprising the steps of:

detecting a change to a condition of an electronic certificate with a first computer system;
and

providing notification to a second computer system of said detected change to a condition of an electronic certificate detected by said first computer system;

wherein a plurality of computer systems is logically divided into a plurality of sections including a primary tier, a secondary tier, a tertiary tier, and a fourth tier;

wherein said computer systems in said primary tier are adapted for monitoring changes to conditions of said electronic certificates and notifying said computer systems in said secondary tier of said changes to conditions of said electronic certificates;

wherein said computer systems in said primary tier are adapted for contracting with said computer systems in said secondary tier for determining a type of said changes to conditions of said electronic certificates said computer systems in said secondary tier are notified of by said computer systems in said primary tier;

wherein said computer systems in said secondary tier are adapted for notifying said computer systems in said tertiary tier of said changes to conditions of said electronic certificates;

wherein said computer systems in said secondary tier are adapted for contracting with said computer systems in said tertiary tier for determining a type of said changes to conditions of said electronic certificates said computer systems in said tertiary tier are notified of by said computer systems in said secondary tier;

wherein said computer systems in said tertiary tier are adapted for monitoring changes to conditions of said electronic certificates and notifying said computer systems in said fourth tier of said changes to conditions of said electronic certificates;

wherein said computer systems in said tertiary tier are adapted for contracting with said computer systems in said fourth tier for determining type of said changes to conditions of said electronic certificates said computer systems in said fourth tier are notified of by said computer systems in said tertiary tier;

wherein said computer systems in said secondary tier are notified of said type of said changes to conditions of said electronic certificates associated with contracts between said computer systems in said primary tier and said computer systems in said secondary tier; said computer systems in said tertiary tier are notified of said type of said changes to conditions of said electronic certificates associated with said contracts between said computer systems in said primary tier and said computer systems in said secondary tier, and contracts between said computer systems in said secondary tier and said computer systems in said tertiary tier; and said computer systems in said fourth tier are notified of said type of said changes to conditions of said electronic certificates associated with said contracts between said computer systems in said primary tier and said computer systems in said secondary tier, said contracts between said computer systems in said secondary tier and said computer systems in said tertiary tier, and contracts between said computer systems in said tertiary tier and said computer systems in said fourth tier;

wherein said computer systems in said primary, secondary, tertiary and fourth tiers are logically organized as a web.

Conclusion

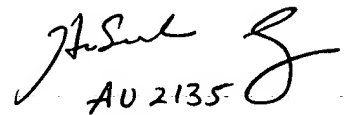
2. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Beemnet W Dada whose telephone number is (571) 272-3847. The examiner can normally be reached on Monday - Friday (9:00 am - 5:30 pm).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Kim Y Vu can be reached on (571) 272-3859. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Beemnet Dada

March 17, 2005


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